DIN 2 2 2016 E SO THE PAO

2 / Miles Williams the B	Panenwork Reduction Act of 1995	no nerson	, , , , , , U.S.s are required to respond to a c	. Patent and	Trademark Office: U	PTO/SB/21 (09-04) hrough 07/31/2006. OMB 0651-0031 I.S. DEPARTMENT OF COMMERCE displays a valid OMB control number	
& TRADE	TRANSMITTAL FORM (to be used for all correspondence after initial filing) Total Number of Pages in This Submission		Application Number Filing Date First Named Inventor	10/618,1 July 11,	10/618,119 July 11, 2003 Kelly Hudson		
			Art Unit Examiner Name Attorney Docket Number	_	 		
ENCLOSURES (Check all that apply)							
Amendan Extension Express Informat Certified Docume Reply to Incomple	nsmittal Form Fee Attached ment/Reply After Final Affidavits/declaration(s) on of Time Request a Abandonment Request tion Disclosure Statement of Copy of Priority ent(s) of Missing Parts/ ete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53		Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocat Change of Correspondence Ferminal Disclaimer Request for Refund CD, Number of CD(s) Landscape Table on C	ion Address	After A Appeal of Appeal (Appeal Proprie	Enclosure(s) (please Identify	
	SIGNA	TURE C	F APPLICANT, ATTO	ORNEY,	OR AGENT		
Firm Name Signature	Womble Carlyle Sandridg	e & Rice, I	PLLC		. =		
Printed name	Jeffery B. Arnold	70	<u>></u>				
Date	July 18, 2005		Reg. No.	g. No. 39,540			
	С	ERTIFIC	ATE OF TRANSMIS	SION/MA	ILING		

Typed or printed name CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: Typed or printed name Leslie Maisano Date July 18, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (12-04v2)
Approved for use through 07/31/2006, OMB 0651-0032

Under or Panerwork Reduction Act o	of 1995, no persons are re	equired to re	U.S. Patent	and Trademar	k Office; U.S. DEF	PARTMENT OF COMMERCE s a valid OMB control number	
Effective on 1					plete if Know		
ees pursuant to the Consolidated Ap			Application Num	ber 10/6	18,119		
FEE TRAI	NSMILL	AL			ly 11, 2003		
For F	Y 2005				elly Hudson		
			Examiner Name	Metz	zmaier, Danie	1 S.	
Applicant claims small entity	status. See 37 CFR 1	1.27	Art Unit	1712	2		
TOTAL AMOUNT OF PAYMENT	(\$) 1,550.0	00	Attomey Docket	No. H14	7 1020.2 (307	27.0009.0)	
METHOD OF PAYMENT (che	eck all that apply)						
Check Credit Card	Money Order	Nor	ne Other (p	lease identify)	:		
Deposit Account Deposit	Account Number: 09-05	528	Deposit Acc	count Name: _\	Nomble Carlyle S	andridge & Rice, PLLC	
For the above-identified de	eposit account, the Dire	ector is he	reby authorized to:	(check all th	at apply)		
Charge fee(s) indica	ated below		Charge	e fee(s) indic	ated below, exc	cept for the filing fee	
Charge any addition	nal fee(s) or underpayn	nents of fe	e(s) Credit	any overpay	ments		
under 37 CFR 1.16 WARNING: Information on this form information and authorization on PTC	may become public. Cre	edit card inf	_			ovide credit card	
FEE CALCULATION							
1. BASIC FILING, SEARCH,							
FIL	LING FEES Small Entity	SEAR	RCH FEES Small Entity		TION FEES		
Application Type Fee	e (\$) Fee (\$)	<u>Fee (\$</u>		Fee (\$)	Fee (\$)	Fees Paid (\$)	
Utility 30	00 150	500	250	200	100		
Design 20	00 100	100	50	130	65		
Plant 20	00 100	300	150	160	80		
Reissue 30	00 150	500	250	600	300		
Provisional 20	00 100	0	0	0	0		
2. EXCESS CLAIM FEES Fee Description Each claim over 20 (include	dina Daissuas)				Fee (\$) 50	Small Entity Fee (\$) 25	
Each independent claim ov		ssues)			200	100	
Multiple dependent claims		,			360	180	
	a Claims Fee (\$)		Paid (\$)			pendent Claims	
31 - 20 or HP = HP = highest number of total claims	11 × 50 s paid for, if greater than 2		50.00		<u>Fee (\$)</u>	Fee Paid (\$)	
Indep. Claims Extra	a Claims Fee (\$	<u>Fee</u>	Paid (\$)	•	-		
8 - 3 or HP = HP = highest number of independen	8 - 3 or HP = 5 x 200 = 1,000.00 HP = highest number of independent claims paid for, if greater than 3.						
3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer							
listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50							
sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$) 28 - 100 = 0 / 50 =0 (round up to a whole number) x 0 =0							
4. OTHER FEE(S) Non-English Specification, \$130 fee (no small entity discount)							
Other (e.g., late filing surc	•	-				0	
SUBMITTED BY 100							
Signature Add	5/15	}	Registration No.	39,540	Telephor	ne (404) 879-2433	

SUBMITTED BY			
Signature	(Allen) A	Registration No. (Attorney/Agent) 39,540	Telephone (404) 879-2433
Name (Print/Type)	Jeffery B. Arnoto		Date July 18, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re ap	plicatio	on of:)		
		Kelly Hudson et al.)		•
Serial N	No:	10/618,119)	Art Unit:	1712
Filed:		July 11, 2003)	Examiner:	Metzmaier, Daniel S.
	MIXIN MECH	LY EFFICIENT METHOD OF NG DISSIMILAR FLUIDS USING IANICALLY INDUCED FATION) +))	Conf. No.:	4101

SECOND PRELIMINARY AMENDMENT

Mail Stop: Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Prior to examination of the above-identified patent application, please enter the following Preliminary Amendment.

Amendments to the Written Description begin on page 2 of this paper.

Amendments to the Claims are reflected in the Listing of Claims which begins on gage 3 of this paper.

Conclusion is on page 9 of this paper.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail with sufficient postage in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on July 18, 2005.

Leslie Maisano

07/21/2005 ZJUHAR1 00000057 090528

Amendments to the Written Description

Please replace the paragraph on page 1, between lines 14-17, with the following paragraph:

--REFERENCE CROSS-REFERENCE TO RELATED APPLICATION APPLICATIONS

This application is a continuation application of co-pending U.S. Patent Application Serial No. 09/747,469 filed on December 20, 2000, now U.S. Patent No. 6,627,784, which claims the benefit of the filing date of eo-pending U.S. Provisional Patent Application Serial Number 60/204,838 filed on May 17, 2000, both of which are incorporated herein by reference in their entirety.--